

1 **CLAIMS**

2
3 What is claimed is:

4 1. In a system for signaling a higher than preset interior
5 temperature of a vehicle including heat sensors in said vehicle
6 and a control head activated when a preset temperature is
7 exceeded, said control head activating one of a group of vehicle
8 components consisting of a fan, horn, siren, emergency lights,
9 headlights, windows, or engine, the improvement comprising said
10 control head having a microprocessor connected to at least two
11 temperature sensors, said temperature sensors widely dispersed
12 in the passenger areas of said vehicle, each of said temperature
13 sensors sending local temperature data to said microprocessor,
14 said microprocessor computing an average of said temperature
15 data from said at least two temperature sensors, said
16 microprocessor comparing said average with said preset
17 temperature and activating said one of said group when said
18 average exceeds said preset temperature.

19
20 2. In a system of claim 1, the improvement including a
21 visual display connected to said microprocessor, said visual
22 display mounted in said control head and indicating the
23 temperature at each sensor.

1 3. In a system of claim 1, the improvement including a
2 automatic time delay in said microprocessor, said time delay
3 active on initial start up of said vehicle to delay activating
4 said one of said group of vehicle components for a period of
5 time to allow the temperature in said vehicle to reach said
6 preset temperature.

7

8 4. In a system of claim 3, the improvement including a
9 manual time delay in said control head connected to said
10 microprocessor to restart said automatic time delay to provide
11 additional time to allow the temperature in said vehicle to
12 reach said preset temperature.

13

14 5. In a system of claim 1, the improvement including an
15 electronic signaling means in said control head to correspond to
16 a portable electronic unit to indicate that said preset
17 temperature has been exceeded.

18

19 6. In a system of claim 5, the improvement including a
20 signaling means in said portable electronic unit to signal said
21 control head to interrupt said activation of said one of said
22 group of vehicle components.

23

24

1 7. In a system of claim 5, the improvement including a
2 signaling means in said portable electronic unit to activate one
3 of said group of vehicle components.

4
5 8. In a system of claim 1, the improvement including said
6 microprocessor monitoring the operation of the engine of said
7 vehicle, an electronic signaling means in said control head to
8 correspond to a portable electronic unit to indicate that said
9 engine is inoperative.

10
11 9. In a system of claim 1, the improvement including said
12 microprocessor monitoring the power status of the battery of
13 said vehicle, an electronic signaling means in said control head
14 to correspond to a portable electronic unit to indicate that
15 said battery power is below a set limit.

16
17 10. In a system of claim 1, the improvement including an
18 electronic signaling means in said control head corresponding to
19 a portable electronic device, said device having means to
20 correspond with said control head for activating one of said
21 group of vehicle components.

1 11. In a system of claim 10, the improvement including a
2 signaling means in said portable electronic unit to signal said
3 control head to interrupt said activation of said one of said
4 group of vehicle components.

5
6 12. An alarm system for installation in the interior of a
7 vehicle to indicate the existence of an unhealthy temperature,
8 said system comprising a microprocessor, said microprocessor
9 connected to a temperature sensor adapted to be placed in the
10 vehicle, said microprocessor programmed with a temperature alarm
11 threshold, said microprocessor programmed to issue an alarm
12 command adapted to energize vehicle components to emit visual
13 and aural signals when said alarm threshold is exceeded, said
14 microprocessor having a programmed time delay mode, said
15 programmed time delay mode preventing an immediate command upon
16 initial activation of the system when the vehicle temperature
17 exceeds said alarm threshold.

18
19 13. An alarm system of claim 12 wherein said time delay
20 mode issues a pre-alarm command after a preset time interval
21 from initial activation, said pre-alarm command indicates
22 temperature remains above said alarm threshold, said pre-alarm
23 command includes an additional time period, at the end of said
24 time delay mode said microprocessor issues an alarm command.

1 14. An alarm system of claim 12 wherein said time delay
2 mode includes a manual reset, said system having a manual switch
3 connected to said microprocessor, said switch restarting said
4 time delay mode upon activation.

5

6 15. An alarm system of claim 12 wherein said
7 microprocessor is programmed to issue an alarm command adapted
8 to energize vehicle components to introduce ambient air when
9 said alarm threshold is exceeded.

10

11 16. An alarm system of claim 12 wherein said
12 microprocessor issues said alarm command by electronic signal to
13 a portable device, said portable device indicating an alarm
14 command has been received.

15

16 17. An alarm system of claim 16 wherein said portable
17 device corresponds with said microprocessor to activate a
18 vehicle component.

19

20 18. An alarm system for installation in the interior of
21 a vehicle to indicate the existence of an unhealthy temperature,
22 said system comprising a microprocessor, said microprocessor
23 connected to a temperature sensor adapted to be placed in the
24 vehicle, said microprocessor programmed with a temperature alarm

1 threshold, said microprocessor programmed to issue an alarm
2 command adapted to energize vehicle components to emit visual
3 and aural signals when said alarm threshold is exceeded, said
4 microprocessor programmed with a battery sentinel mode, said
5 battery sentinel mode adapted to monitor the vehicle battery
6 voltage over time to determine rate of voltage drop, said mode
7 initiating a sequence when said voltage drop exceeds a preset
8 limit, said microprocessor in said battery sentinel mode issues
9 an alarm command of short duration, said sentinel mode includes
10 a rest period to conserve battery power, said microprocessor in
11 said battery sentinel mode repeats said alarm command of short
12 duration, said battery sentinel mode repeats this sequence until
13 power is restored.

14
15 19. An alarm system of claim 18 wherein said
16 microprocessor in said battery sentinel mode issues said alarm
17 command by electronic signal to a portable device, said portable
18 device indicating an alarm command has been received, said
19 battery sentinel mode continuously signals said portable device
20 during said rest period.

21
22 20. An alarm system of claim 19 wherein said portable
23 device corresponds with said microprocessor to activate a
24 vehicle component.